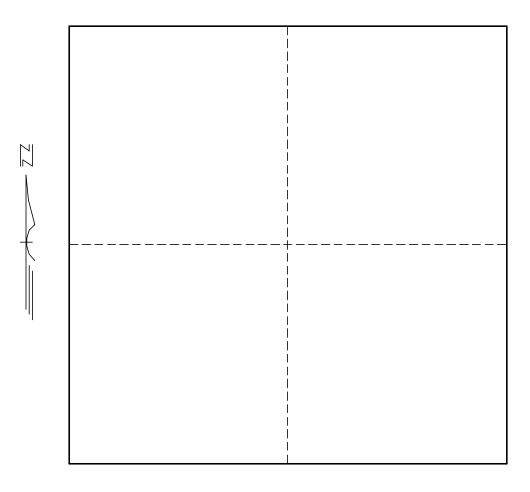
GRADIENT TERRACE DESIGN

Job Name			Jab Class	
Location	(SWCD)	(near)		
Ву			Date	
Checked by				

Gradient Terrace Design Procedure

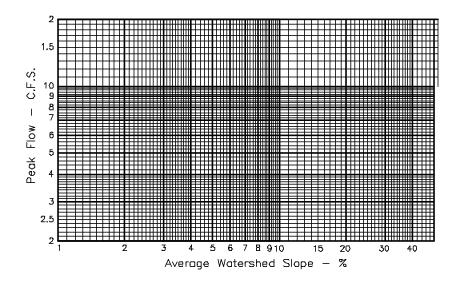
- 1. Make trial terrace system layout keeping in mind terrace standard limitations.
- 2. Check trial layout with USLE to see that the predicted soil loss, A, is less than the allowable soil loss, T.
- 3. Adjust the trial layout and/or management practices as necessary.
- 4. Determine peak runoff for each terrace in the system.
- 5. Determine the configuration for each terrace in the system.

Terrace System Layout



Check Trial Layout With USLE

Soil Series		Allowable	Soil Loss -	T =		_ tons/acre/yea
Soil Eradibility Factor —	K =					
Cropping Sequence						
Management Practices						
Cropping Management Fa	ctor - C =					
Erosion Control Practice_						
Erosion Control Practice	Factor - P =_		Rair	nfall Factor —	R =	
	Ter. No	Ter. No	Ter. No	Ter. No	Ter. No	_ Ter. No
Field Slope %						
Slope Length (feet)						
LS Factor						
Predicted Soil Loss - A						
Where $A = R K LS C I$	ם					
Continue if A is less tha	n T — If not, c	idjust layout	and/or manag	gement practic	ces as necess	sary.
Determine Peak Runoff F	or Each Terrace	,				
Design Frequency		years	Hydrol	ogic Soil Grou	p	
Runoff Curve Number			Storm	Distribution T	ype	
24—Hour Rainfall		inches				
	Ter. No	Ter. No	Ter. No	Ter. No	Ter. No	_ Ter. No
Watershed Area (acres)						
Average Watershed Slope						
4% Slope, Q (cfs)						
16% Slope, Q (cfs)						



Determine The Configuration For Each Terrace

Terrace No.____

Terrace No.____

Terrace No.____

-		
Terrace	No.	

Terrace No.____

Terrace No._____